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	Art Unit	2124		
		Examiner Name	N/A	
of	2	Attorney Docket Number	006491.P06	56
U.S. PATEN	T DOCUMENTS	<u> </u>		
Document Number ber-Kind Code <sup>2</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Li Where Relevant Passages or Relev Figures Appear	t rant
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INF	ORMA	TION	DISC	LOSURE	Application Number	10/721,445	
		Filing Date 11/24/2003					
STATEMENT BY APPLICANT				First Named Inventor: Hossein Sedarat			
(use as many sheets as necessary)		Art Unit 2124					
					Examiner Name N/A		
Sheet	2		of	2	Attorney Docket Number	006491.P066	
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LW		for Dat vol. 43	a Transm , no. 2, pj	nission over Spectr o. 773-775, 1995	ctical Discrete Multitone Transally Shaped Channels," <i>IEEE</i>	Trans. On Communications,	
• :		JORGE IEEE II	E CAMPE nternation	ELLO, "Optimal Dis nal Symposium on	screte Bit Loading for Multicard Information Theory, August 1	rier Modulation Systems," 998, Cambridge, MA, p. 193	
	BRIAN S. KRONGOLD, ET AL., "Computationally Efficient Optimal Power Allocation Algorithms for Multicarrier Communication Systems," <i>IEEE Trans. On Communications</i> , vol. 48, pp. 23-27, January 2000						
		RANJA Comm.	N V. SO Letters,	NALKAR, "An Effic vol. 4, pp. 80-82, N	cient Bit-Loading Algorithm for March 2000	DMT Applications," IEEE	
		Modula	ited Ortho	ogonal Frequency	Multi-User Constant-Energy & Division Multiplexing," <i>IEEE V</i> VC), Orlando, pp. 526-530, Ma	Vireless Communications	
		ANDRE IEEE II	NOLL E	BARRETO, ET AL. nal Symposium on	, "Adaptive Bit Loading for Wi Personal, Indoor and Mobile	reless OFDM Systems,"	
LW		Limited	ADSL-T	ELLI, ET AL., "No ype Multicarrier Sy May 2002	vel Efficient Bit-Loading Algor estems, <i>IEEE Trans on Signal</i>	ithms for Peak-Energy- Processing, vol. 50, no. 5,	

Examiner	/Lawrence Williams/	(01/10/2007)	Date	
Signature	,		Considered	

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